ELSEVIER

Wave Motion 22 (1995) 405–406

WAVE MOTION

Contents of volume 22

Vol. 22, No. 1

P.E. Barbone
Approximate diffraction coefficients by the method of matched asymptotic expansions 1
R.H. Tew
The excitation and propagation of a two-dimensional "leaky" Rayleigh wave on an elastic solid under compressible fluid loading 17
D.A. Rebinsky and A.N. Norris
Longitudinal and shear wave diffraction at the junction of two fluid loaded, doubly curved shells 31
Y. Yang
Radiation and radiation impedance on fluid-loaded elastic shells of arbitrary shape 47
P.L. Marston
Variable phase coupling coefficient for leaky waves on spheres and cylinders from resonance scattering theory 65
J.-M. Ho
Ray acoustics and vibration of immersed thin elastic cylindrical shells excited by an on-surface source 75
Y.P. Guo
Asymptotic solutions for helical wavenumbers of waves in fluid-loaded cylindrical shells 97
T.K. Kapoor and L.B. Felsen
Hybrid ray-mode analysis of acoustic scattering from a finite, fluid-loaded plate 109

Vol. 22, No. 2

M.A. Sumbatyan
Low-frequency penetration of acoustic waves through a periodic arbitrary-shaped grating: the three-dimensional problem 133
J.F. Clouet, J.P. Fouque and M. Postel
Spectral analysis of randomly scattered signals using the wavelet transform 145
E.F. Kuester
Computable error bounds for variational functionals of solutions of a convolution integral equations of the first kind 171
R. Khosropour, S.L. Cole and T.D. Strayer
Resonant free surface waves in a rectangular basin 187
P.G. Chamberlain and D. Porter
Decomposition methods for wave scattering by topography with application to ripple beds 201
S. Myint and R. Grimshaw
The modulation of nonlinear periodic wavetrains by dissipative terms in the Korteweg–de Vries equation 215

Vol. 22, No. 3

B.V. Budaev and D.B. Bogy
Rayleigh wave scattering by a wedge 239

S.-H. Choi, T. Igusa and J.D. Achenbach
Acoustic radiation from a finite-length shell with substructures subjected to an impulsive load 259
A. Khamlichi, L. Jezequel and F. Tephany
Elastic–plastic water hammer analysis in piping systems 279
A.S. Eriksson, A. Boström and S.K. Datta
Ultrasonic wave propagation through a cracked solid 297
S. Blume and U. Uschkerat
The radar cross section of the semi-infinite elliptic cone: numerical evaluation 311

Vol. 22, No. 4

A. Jeffrey and M.P. Ramollo
Reflection and transmission of internal solitary waves across a barrier 325
N.H. Scott
Inhomogeneous plane waves in compressible viscous fluids 335
Xiao-Ping Li
Attenuation dispersion of Love waves in a two-layered half space 349
N. Peake
On the radiation properties of an asymmetric cylinder 371
P. McIver and A.D. Rawlins
Diffraction by a rigid barrier with a soft or perfectly absorbent end face 387